Mini DisplayPort Splitter

User's Manual

MD-102

MD-104

Introduction

Mini DisplayPort Splitter is a distribution hub that sends the same video output to two digital screens. It is a flexible solution to accommodate multiple displays. Mini DisplayPort Splitter offers solutions for home theatre , information distribution , AV installation , conference room presentation and corporate training environment.

***Note:**

1. This Mini DisplayPort Splitter can compliant with Thunderbolt Mini DisplayPort signal, but does not support Thunderbolt Monitors
2. This Mini DisplayPort Splitter supports signal from Real DisplayPort Signal Adapter, but will not work with signal from DVI or HDMI level shifter.

Features

- Compliant with Mini DisplayPort 1.1a, HDCP 1.3 specifications
- Support EDID at Port 1.
- Compliance with Mini DisplayPort Specification V1.1a at 1.62 / 2.7 Gbps data rate (Low / High bit rate)
- Support flexible 1 / 2 / 4 lanes configurations; Full 10.8Gbps data rate support (4 lanes at 2.7Gbps)
- Support up to 2560 X 1600 @60Hz (WQXGA) VESA display format
- Support deep color up to 12 bits
- Supports audio up to PCM 7.1 (32 ~ 192kHz sample rate)
- Supports pixel component format with RGB; YCbCr 422; YCbCr 444
- Color space conversion between RGB and YCbCr color space
- Provide power switch to avoid unnecessary power wasting.

Package Contents

1. Mini DisplayPort Splitter.
2. 5VDC 2A Switching Power adapter

System Requirements

- Input Device : Personal Computer or Notebook
- Output Device : Mini DisplayPort display device

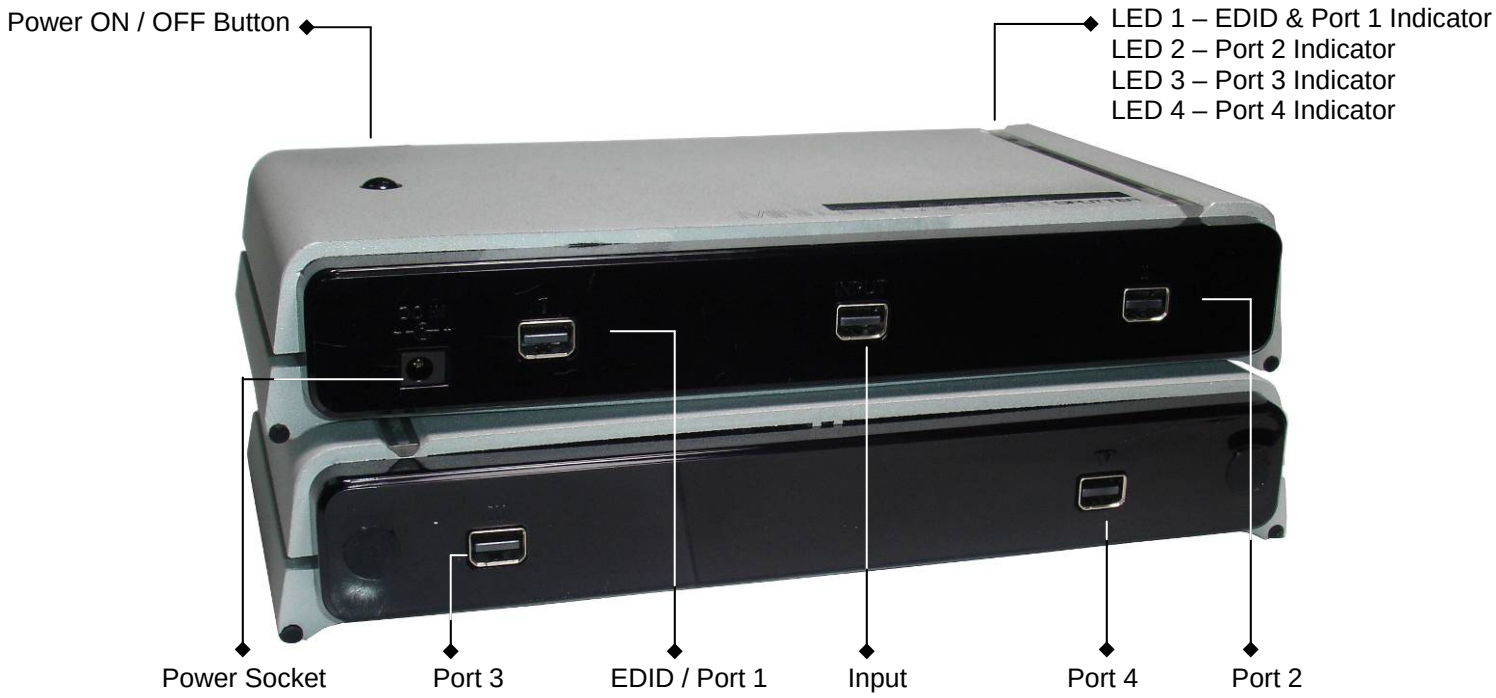
Specifications

Model No.		MD-102	MD-104
Connectors	Input	Mini DisplayPort 20 Pin Female x 1	
	Output	Mini DisplayPort 20 Pin Female x 2	Mini DisplayPort 20 Pin Female x 4
Frequency Bandwidth		10.8Gbps (4 lanes at 2.7 Gbps)	
Video Resolution		2560 x 1600 @60Hz (WQXGA)	
LED Indicator		2	4
Power Supply		5VDC 2A	
Cable Ext.length	Input	15m (26AWG)	
	Output	7m (28AWG)	
Housing		Aluminum	
Dimension (L x W x H)		170 x 95 x 30 mm	

Installation

Connect PC or NB output to Mini DisplayPort Splitter input 20 Pin Female Connector and display device to the Mini DisplayPort Splitter Output 20 Pin Female Connector, plug the power adapter, press ON / OFF switch to start.

Front & Rear Panel View


Power ON / OFF Button
LED 1 – EDID & Port 1 Indicator
LED 2 – Port 2 Indicator
LED 3 – Port 3 Indicator
LED 4 – Port 4 Indicator
Power Socket
Port 3
EDID / Port 1
Input
Port 4
Port 2

LED will blink when EDID is functioning under following condition

1. When Mini DisplayPort monitor is plug in.
2. When switched ON the monitor
3. When Restarting Computer
4. When Switching ON MD-102 / MD-104

Certifications

FCC
This device has been tested and found to comply with the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference
(2) This device must accept any interference received, including interference that may cause undesired operation.

CE
This device is in compliance with the requirements of the following regulations: EN 55022: CLASS B

RoHS
All contents of this package, including products, packing materials and documentation comply with RoHS.